

VALID

Pat. No. 05961623 - 5
Issue Date: 06/07/04

Group ID: A
User ID: Tegant

Page 1
KS: 3,725

Warning [US Reference: Page:12 Posn:2]
has an issue date that does not match the patent number

Warning [Pages Of US References:]

page 6 has no references
page 8 has no references
page 10 has no references

Warning [Pages Of Foreign References:]

page 1 has no references
page 2 has no references
page 3 has no references
page 4 has no references
page 6 has no references
page 8 has no references
page 9 has no references
page 10 has no references
page 12 has no references

Warning [Pages Of Other References:]

position 3 on page 8 may be a duplicate because the first 75
characters are the same as position 4 on page 8

page 1 has no references
page 2 has no references
page 3 has no references
page 4 has no references
page 5 has no references
page 7 has no references
page 9 has no references
page 11 has no references
page 12 has no references

Ena

6/6/

Pat. No. 05961623 - 5
Issue Date: 06/07/04

Group ID: A
User ID: Tegan

Page 1

CHECK LIST

Rule 47 Continuing Data PCT Disclaimer

No Yes No No

Microfiche Appendix CPA tag

No No

Foreign Priority Claimed: No
Acknowledged: No

State Code: OR Country Code:

Text Endorsement: 09473575.122899

=====

JACKET

<u>SERIAL NUMBER</u>	<u>FILING DATE</u>	<u>CLASS</u>	<u>SUBCLASS</u>	<u>GAU</u>
09/473,575	12/28/99	718	104	2127

FOREIGN PRIORITY
Country Document Number Date

DISCLAIMER


/ /

TITLE

Method and apparatus for managing resources in a multithreaded processor

MICROFICHE APPENDIX

ASSISTANT EXAMINER:

<u>First:</u> 	<u>Middle:</u>	<u>Last:</u>
Lillian		Vo

PRIMARY EXAMINER:

<u>First:</u>	<u>Middle:</u>	<u>Last:</u>
Meng-Al	T.	An

Pat. No. 05961623 - 5
Issue Date: 06/07/04

Group ID: A
User ID: Tegan

Page 2

CLAIMS ALLOWED
Total Print

15 1

DRAWINGS
Sheets Figures Print

19 19 Y

=====
BLUE SLIP INFORMATION

<u>SERIAL NUMBER</u>	<u>CLASS</u>	<u>SUBCLASS</u>	<u>GAU</u>
09/473,575	718	104	2127

INDEP. CLAIMS

1

TOTAL CLAIMS

15
=====

BLUE SLIP (Page 1)

INTERNATIONAL CLASSIFICATION
Class SubClass

G06F 9/46

CROSS-REFERENCES
Class SubClass

714 100;102;107
=====

TERM EXTENSION

0

FIELD OF SEARCH

Class SubClass

709 107;100;104

712 239;235;217;227;244;219;42;214;36

Pat. No. 05961623 - 5
Issue Date: 06/07/04

Group ID: A
User ID: Tegant

Page 3

718 102,100,104

711 202

=====

OATH

INVENTOR NAME

First: Middle: Last: Signed:

Darrell D. Boggs Yes

City: Aloha

State: OR ZIP Code: Country: Foreign ZIP:

INVENTOR NAME

First: Middle: Last: Signed:

Shlomit Weiss Yes

City: Haifa

State: ZIP Code: Country: ILX Foreign ZIP:

=====

PCT INFO

=====

CONTINUING DATA (Page 1)

<u>LINE</u>	<u>CODE</u>	<u>SERIAL NUMBER</u>	<u>FILING DATE</u>	<u>STATUS</u>	<u>DOCUMENT NO.</u>	<u>ISSUE DATE</u>
104	72	09/458,544	12/29/1999	01	6,496,925	/ /

=====

REFERENCES (Page 1) SERIAL NUMBER: 09/473,575
FORM 892

U.S. REFERENCES

<u>U.S. Pat No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Class</u>	<u>SubClass</u>
---------------------	-------------	-----------------	--------------	-----------------

*6,247,121	06/2001	Akkary et al.		
No issue date available.				

712	239
-----	-----

Pat. No. 05961623 - 5
Issue Date: 06/07/04

Group ID: A
User ID: Tegang

Page 4

*6,182,210 01/2001 Akkary et al.
No issue date available.

712 235

*6,357,016 03/2002 Rodgers et al.
No issue date available. *Rodgers*

713 601

*6,496,925 12/2002 Kota et al.
No issue date available.

712 244

Query

2002/0116600 08/2002 Smith et al.

712 218

2002/0062435 05/2002 Nemirovsky et al.

712 7

2002/0013892 01/2002 Gorishek et al.

712 227

2001/0004755 06/2001 Levy et al.

712 217

FOREIGN REFERENCES

Foreign Doc No. Date Country Class SubClass

OTHER REFERENCE CITATIONS (incl. Author, Title, Date, Pertinent Pages, etc.)

=====

REFERENCES (Page 2) SERIAL NUMBER: 09/473,575
FORM 892

U.S. REFERENCES

U.S. Pat No. Date Patentee Class SubClass

5,179,530 01/1993 Genusov et al.

708 520

FOREIGN REFERENCES

Foreign Doc No. Date Country Class SubClass

OTHER REFERENCE CITATIONS (incl. Author, Title, Date, Pertinent Pages, etc.)

=====

REFERENCES (Page 3) SERIAL NUMBER: 09/473,575
FORM 892

U.S. REFERENCES

U.S. Pat No. Date Patentee Class SubClass

5,623,471 04/1997 Prigge

369 84

2002/0091914 07/2002 Merchant et al.

712 219

5,428,810 06/1995 Barkans et al.

712 42

Pat. No. 05961623 - 5
Issue Date: 06/07/04

Group ID: A
User ID: Tegan

Page 5

2003/0009648	01/2003 Doing et al.	711	202
2003/0023835	01/2003 Kalafatis et al.	712	214

FOREIGN REFERENCES

<u>Foreign Doc No.</u>	<u>Date</u>	<u>Country</u>	<u>Class</u>	<u>SubClass</u>
------------------------	-------------	----------------	--------------	-----------------

OTHER REFERENCE CITATIONS (incl. Author, Title, Date, Pertinent Pages, etc.)

=====

REFERENCES (Page 4) SERIAL NUMBER: 09/473,575
FORM 1449

U.S. REFERENCES

<u>U.S. Pat No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Class</u>	<u>SubClass</u>
---------------------	-------------	-----------------	--------------	-----------------

5,404,469	04/1995	Chung et al.		
5,430,850	07/1995	Papadopoulos et al.		
5,499,349	03/1996	Nikhil et al.		
*6,092,175	07/2000	Levy et al.		
No issue date available.				

*6,105,127	08/2000	Kimura et al.		
No issue date available.				

FOREIGN REFERENCES

<u>Foreign Doc No.</u>	<u>Date</u>	<u>Country</u>	<u>Class</u>	<u>SubClass</u>
------------------------	-------------	----------------	--------------	-----------------

OTHER REFERENCE CITATIONS (incl. Author, Title, Date, Pertinent Pages, etc.)

=====

REFERENCES (Page 5) SERIAL NUMBER: 09/473,575
FORM 1449

U.S. REFERENCES

<u>U.S. Pat No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Class</u>	<u>SubClass</u>
---------------------	-------------	-----------------	--------------	-----------------

3,771,138	11/1973	Celtruda et al.		
5,968,160	10/1999	Saito et al.		

FOREIGN REFERENCES

<u>Foreign Doc No.</u>	<u>Date</u>	<u>Country</u>	<u>Class</u>	<u>SubClass</u>
------------------------	-------------	----------------	--------------	-----------------

352935A2	07/1989	EPX		
----------	---------	-----	--	--

Pat. No. 05961623 - 5
Issue Date: 06/07/04

Group ID: A Page 6
User ID: Tegan

962856A2

05/1999 EPX

OTHER REFERENCE CITATIONS (incl. Author, Title, Date, Pertinent Pages, etc.)

=====

REFERENCES (Page 6) SERIAL NUMBER: 09/473,575
FORM 1449

U.S. REFERENCES

<u>U.S. Pat No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Class</u>	<u>SubClass</u>
---------------------	-------------	-----------------	--------------	-----------------

FOREIGN REFERENCES

<u>Foreign Doc No.</u>	<u>Date</u>	<u>Country</u>	<u>Class</u>	<u>SubClass</u>
------------------------	-------------	----------------	--------------	-----------------

OTHER REFERENCE CITATIONS (incl. Author, Title, Date, Pertinent Pages, etc.)

Mendelson A. et al., [37 Design Alternatives of Multithreaded
Architecture[38 , International Journal of Parallel Programming, US,
Plenum Press, New York, Jun. 3, 1999, pp. 161-193, vol. 27, No. 3,
Plenum Publishing Corp.

Farrens, M.K. et al., [37 Strategies for Achieving Improved Processor
Throughput[38 , Proceedings of the Annual International Symposium on
Computer Architecture, May 1991, pp 362-369, vol. SYMP. 18.

=====

REFERENCES (Page 7) SERIAL NUMBER: 09/473,575
FORM 1449

U.S. REFERENCES

<u>U.S. Pat No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Class</u>	<u>SubClass</u>
---------------------	-------------	-----------------	--------------	-----------------

5,357,617	10/1994	Davis et al.		
5,524,263	06/1996	Griffith et al.		
5,791,522	08/1998	Lee et al.		
5,996,085	11/1999	Cheong et al.		
5,999,932	12/1999	Paul		
*6,052,709	04/2000	Paul		

No issue date available.

*6,115,709 09/2000 Gilmour et al.
No issue date available.

5,809,271 09/1998 Colwell et al.

FOREIGN REFERENCES

<u>Foreign Doc No.</u>	<u>Date</u>	<u>Country</u>	<u>Class</u>	<u>SubClass</u>
0725335A1	01/1996	EPX		
0747816A2	05/1996	EPX		
0827071A2	08/1997	EPX		
0346003A2	06/1989	EPX		
WO99/21082	04/1999	WOX		
WO99/21088	04/1999	WOX		

OTHER REFERENCE CITATIONS (incl. Author, Title, Date, Pertinent Pages, etc.)

=====

REFERENCES (Page 8) SERIAL NUMBER: 09/473,575
FORM 1449

U.S. REFERENCES

<u>U.S. Pat No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Class</u>	<u>SubClass</u>
---------------------	-------------	-----------------	--------------	-----------------

FOREIGN REFERENCES

<u>Foreign Doc No.</u>	<u>Date</u>	<u>Country</u>	<u>Class</u>	<u>SubClass</u>
------------------------	-------------	----------------	--------------	-----------------

OTHER REFERENCE CITATIONS (incl. Author, Title, Date, Pertinent Pages, etc.)

R. Guru Prasad, et al., A Benchmark Evaluation of a Multi-Threaded
RISC Processor Architecture, 1991, pp 184-191, National Science
Foundation and Cray Research Incorporated.

Robert A. Iannucci, et al., Multithreaded Computer Architecture: A
Summary of the State of the Art, pp 167-200, Kluwer Academic
Publishers, Boston/London/Dordrecht.

Proceedings, The 23rd Annual International Symposium on Computer
Architecture, May 22-24, 1996, pp 191-202, ACM SIGARCH, IEEE Computer
Society, TCCA, Philadelphia, Pennsylvania.

Proceedings, The 23rd Annual International Symposium on Computer
Architecture, May 22-24, 1996, pp 203-212, ACM SIGARCH, IEEE Computer
Society, TCCA, Philadelphia, Pennsylvania.

Dennis Lee, et al. ⁹ & Brad Calder, et al., Instruction Cache Fetch
Policies _Λ for Speculative Execution, pp 1-11, Department of Computer
Science.

Simon W. Moore, Multithreaded Processor Design, 1996, pp 1-141, Kluwer
Academic Publishers, Boston/Dordrecht/London.

Peter Song, Multithreading Comes of Age, Jul. 14, 1997, pp 13-18,
Microdesign Resources.

Ruedeiger R. Asche, Multithreading for Rookies, Jul. 31, 1998, pp
1-15, Microsoft Developers Network Technology Group.

IEEE Computer Society Technical Committee on Computer Architecture,
Second International Symposium on High-Performance Computer
Architecture, Feb. 3-7, 1996, pp291-301.

=====

REFERENCES (Page 9) SERIAL NUMBER: 09/473,575
FORM 1449

U.S. REFERENCES

<u>U.S. Pat No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Class</u>	<u>SubClass</u>
5,892,959	04/1999	Fung		

Pat. No. 05961623 - 5
Issue Date: 06/07/04

Group ID: A
User ID: Tegant

Page 9

*6,052,708 04/2000 Flynn et al.
No issue date available.

*6,088,788 07/2000 Borkenhagen et al.
No issue date available.

*6,212,544 04/2001 Borkenhagen et al.
No issue date available.

*6,256,775 07/2001 Flynn
No issue date available.

FOREIGN REFERENCES

<u>Foreign Doc No.</u>	<u>Date</u>	<u>Country</u>	<u>Class</u>	<u>SubClass</u>
------------------------	-------------	----------------	--------------	-----------------

OTHER REFERENCE CITATIONS (incl. Author, Title, Date, Pertinent Pages, etc.)

=====

REFERENCES (Page 10) SERIAL NUMBER: 09/473,575
FORM 1449

U.S. REFERENCES

<u>U.S. Pat No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Class</u>	<u>SubClass</u>
---------------------	-------------	-----------------	--------------	-----------------

FOREIGN REFERENCES

<u>Foreign Doc No.</u>	<u>Date</u>	<u>Country</u>	<u>Class</u>	<u>SubClass</u>
------------------------	-------------	----------------	--------------	-----------------

OTHER REFERENCE CITATIONS (incl. Author, Title, Date, Pertinent Pages, etc.)

Dongwook Kim, Joonwon Lee, Seungkyu Park, A partitioned on-chip
virtual cache for fast processors, Journal of Systems Architecture 43,
1997, pp 519-531, Elsevier, South Korea.

=====

REFERENCES (Page 11) SERIAL NUMBER: 09/473,575
FORM 1449

U.S. REFERENCES

<u>U.S. Pat No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Class</u>	<u>SubClass</u>
---------------------	-------------	-----------------	--------------	-----------------

5,809,522	09/1998	Novak et al.		
-----------	---------	--------------	--	--

FOREIGN REFERENCES

<u>Foreign Doc No.</u>	<u>Date</u>	<u>Country</u>	<u>Class</u>	<u>SubClass</u>
------------------------	-------------	----------------	--------------	-----------------

0768608A2	04/1997	EPX		
-----------	---------	-----	--	--

Pat. No. 05961623 - 5
Issue Date: 06/07/04

Group ID: A
User ID: Tegan

Page 10

0768608A3 04/1997 EPX
0856797A1 05/1998 EPX
2311880A 03/1996 GBX

OTHER REFERENCE CITATIONS (incl. Author, Title, Date, Pertinent Pages, etc.)

REFERENCES (Page 12) SERIAL NUMBER: 09/473,575
FORM 1449

U.S. REFERENCES

<u>U.S. Pat No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Class</u>	<u>SubClass</u>
5,900,025	05/1999	Sollars		
*62303599 A A A A	05/2001 00/1899	Nation et al.		

FOREIGN REFERENCES

<u>Foreign Doc No.</u>	<u>Date</u>	<u>Country</u>	<u>Class</u>	<u>SubClass</u>
------------------------	-------------	----------------	--------------	-----------------

OTHER REFERENCE CITATIONS (incl. Author, Title, Date, Pertinent Pages, etc.)
